

# SUPRESS<sup>®</sup>

## SOUND-ENGINEERED PLYWOOD™

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### Installation Guide-SubFloor in New Construction

Supress Sound-Engineered Plywood (SEP) should be applied to the complete floor joist assembly, minimizing any gaps in the surface, directly in contact with the joist edges.

#### Product Description

Supress SEP is an engineered structural wood product that provides significant sound isolation and vibration absorption in standard panel sizes. Supress SEP subflooring is span-rated and designed to replace standard subflooring in single-layer or multi-layer (subfloor-underlayment) floor/ceiling assemblies utilizing either wood or metal joists. Each panel of Supress is grade-stamped PS I Exposure I. Exposure I panels are suitable for uses not permanently exposed to weather. Supress subfloor products have square-cut ends and tapered tongue and grooves on the long edges.

#### Prepare Surface and Materials

The joist and cross-member edges must be reasonably clean and dry. Remove nails, screws or any obstructions which are covering or protruding from the joist and cross-member line. Protect smooth panel faces and tongue and groove edges from damage prior to and during installation. To minimize the potential for panel buckling and/or nail-pop, allow Supress SEP panels to equalize their moisture content at the job site by allowing air circulation on all sides for a few days after delivery.

#### Measure and Cut

Measure the space and, if needed, cut the panel (with standard or carbide-tipped saw blades) to the proper size, minimizing the gaps between panels and with other surfaces.

#### Glue and Attach

Glue-nailing is recommended for Supress SEP panels. Use adhesive conforming to ASTM D3498 and spread only enough adhesive in a 1/4" bead on framing members to lay 1 or 2 panels at a time. This is particularly important in warm weather conditions where the adhesive will dry more quickly. Panels may also be nailed only with appropriately-sized cement-coated ring- or screw-shank nails.

Glued tongue and grooved edges are recommended under thin floor coverings to keep joints snug. Glue by spreading a thin line of adhesive (1/8" bead) into the open groove. Avoid using too much adhesive as this will create squeeze-out and require additional labor for clean-up.

Use 8d cement-coated ring- or screw-shank nails at a maximum spacing of 6" at supported panel edges and at a maximum spacing of 12" at intermediate supports.

Attach panels GRADE STAMP UP, away from joist faces and perpendicular across framing members continuously for at least 2 spans. Stagger the end joints of the panels.

#### Seal Cut-outs and Penetrations

Due to the aggressive nature of air- and structure-borne sound, Supress recommends that any cut-outs or penetrations in the flooring system for mechanical, HVAC, pipes, wiring, fire sprinkler nozzles, etc. be completely sealed with Supress Acoustical Sealant.

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#### SAFETY FIRST!

Follow good safety and industrial hygiene practices during handling and installation of all Supress products. Take necessary precautions and wear the appropriate personal protective equipment as required. Read material safety data sheets (MSDS) and related literature on products before transportation and/or installation.

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